

APPLICATION FOR PERMISSION TO CHANGE POINT OF DIVERSION, MANNER  
OF USE AND PLACE OF USE OF THE PUBLIC WATERS OF THE  
STATE OF NEVADA HERETOFORE APPROPRIATED

Date of filing in State Engineer's Office MAR 18 1985

Returned to applicant for correction

Corrected application filed Map filed MAR 18 1985

The applicant McGill-Ruth Consolidated Sewer and Water General Improvement District

P.O. Box 1376 of McGill  
Street and No. or P.O. Box No. City or TownNevada 89318 hereby make.s. application for permission to change the  
State and Zip Code No.Point of Diversion, Manner of Use and Place of Use  
Point of diversion, manner of use, and/or place of useof water heretofore appropriated under Permit No. 43754  
(Identify existing right by Permit, Certificate, Proof or Claim Nos. If Decreed, give title of Decree and

Identify right in Decree.)

1. The source of water is Underground Sources.  
Name of stream, lake, underground spring or other source.
2. The amount of water to be changed 4.0 cfs.  
Second feet, acre feet. One second foot equals 448.83 gallons per minute.
3. The water to be used for Municipal  
Irrigation, power, mining, industrial, etc. If for stock state number and kind of animals.
4. The water heretofore permitted for Industrial and Domestic  
Irrigation, power, mining, industrial, etc. If for stock state number and kind of animals.
5. The water is to be diverted at the following point in the SW $\frac{1}{4}$  SE $\frac{1}{4}$  of Section 5, T.17 N., R.64 E.,  
Describe as being within a 40-acre subdivision of public survey and by course and  
M.D.B. & M., whence the South  $\frac{1}{4}$  Corner of the said Section 5 bears S.0° 30'00" W.,  
distance to a section corner. If on unsurveyed land, it should be stated.  
1,005.00 feet distant.
6. The existing permitted point of diversion is located within the SW $\frac{1}{4}$  SE $\frac{1}{4}$  of Section 21, T.18 N., R.64  
If point of diversion is not changed, do not answer.  
E., M.D.B. & M., whence the Northeast Corner of the said Section 21 bears  
N.25°04' 21"E., 4,601.09 feet distant.
7. Proposed place of use S $\frac{1}{4}$  NE $\frac{1}{4}$ , N $\frac{1}{4}$  SE $\frac{1}{4}$ , SW $\frac{1}{4}$  SE $\frac{1}{4}$ , SE $\frac{1}{4}$  SW $\frac{1}{4}$  of Section 21, W $\frac{1}{2}$  E $\frac{1}{2}$ , E $\frac{1}{2}$  W $\frac{1}{2}$ , SW $\frac{1}{4}$   
Describe by legal subdivisions. If for irrigation state number of acres to be irrigated.  
NW $\frac{1}{4}$ , W $\frac{1}{2}$  SW $\frac{1}{4}$  of Section 28; N $\frac{1}{4}$  NW $\frac{1}{4}$ , SW $\frac{1}{4}$  NW $\frac{1}{4}$ , NW $\frac{1}{4}$  SW $\frac{1}{4}$  of Section 33; E $\frac{1}{2}$  E $\frac{1}{2}$ , SW $\frac{1}{4}$  SE $\frac{1}{4}$  of  
Section 32; all in T.18 N., R.64 E., M.D.B. & M. NE $\frac{1}{4}$  W $\frac{1}{2}$  SE $\frac{1}{4}$  of Section 5, T.17 N.,  
R.64 E., M.D.B. & M.
8. Existing place of use S $\frac{1}{4}$  NE $\frac{1}{4}$ , SE $\frac{1}{4}$  SW $\frac{1}{4}$ , SE $\frac{1}{4}$  of Section 21, SW $\frac{1}{4}$  NW $\frac{1}{4}$ , W $\frac{1}{2}$  SW $\frac{1}{4}$  of Section 22;  
Describe by legal subdivisions. If permit is for irrigation, state number of acres irrigated. If changing place of use and/or  
W $\frac{1}{2}$  NW $\frac{1}{4}$  of Section 27; NE $\frac{1}{4}$ , SE $\frac{1}{4}$  SW $\frac{1}{4}$ , E $\frac{1}{2}$  NW $\frac{1}{4}$ , SW $\frac{1}{4}$  NW $\frac{1}{4}$  of Section 28 all in T.18 N.,  
manner of use of irrigation permit, describe acreage to be removed from irrigation.  
R.64 E., M.D.B. & M.
9. Use will be from January 1st to December 31st of each year.  
Month and Day Month and Day
10. Use was permitted from January 1st to December 31st of each year.  
Month and Day Month and Day
11. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and  
specifications of your diversion or storage works.) The water will be pumped through a pipeline  
State manner in which water is to be diverted, i.e. diversion structure, ditches,  
to the tank site and then piped throughout the proposed place of use.  
pipes and flumes, or drilled well, etc.
12. Estimated cost of works \$2,054,000.00
13. Estimated time required to construct works 5 years

14. Estimated time required to complete the application of water to beneficial use.....10 years.....

15. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

The applicant proposes to use this application in conjunction with Permit #43753 to supply municipal water to the McGill Townsite at the rate of 950,000 gallons per day, 365 days per year, for a total annual consumption of 346.75 million gallons. See attached Exhibits A & B for the system requirements.

By s/Richard W. Forman  
Richard W. Forman Agent  
P.O. Box 150  
Ely, Nevada 89301  
Compared mc/jf js/bc  
Protested.....

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit to change the point of diversion, place of use and manner of use of the waters of an underground source as heretofore granted under Permit 43754 is issued subject to the terms and conditions imposed in said Permit 43754 and with the understanding that no other rights on the source will be affected by the change proposed herein. The well shall be equipped with a 2-inch opening and a totalizing meter must be installed and maintained in the discharge pipeline near the point of diversion and accurate measurements must be kept of water placed to beneficial use. The totalizing meter must be installed before any use of the water begins or before the proof of completion of work is filed. If the well is flowing, a valve must be installed and maintained to prevent waste. This source is located within an area designated by the State Engineer pursuant to NRS 534.030. The State retains the right to regulate the use of the water herein granted at any and all times.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

The total combined duty of water under Permits 43753 and 48923 shall not exceed 524.79 million gallons annually.

The amount of water to be changed shall be limited to the amount which can be applied to beneficial use, and not to exceed.....4.0.....cubic feet per second, but not to exceed 180.96 million gallons annually.

Work must be prosecuted with reasonable diligence and be completed on or before.....September 26, 1986.....

Proof of completion of work shall be filed before.....October 26, 1986.....

Application of water to beneficial use shall be made on or before.....September 26, 1988.....

Proof of the application of water to beneficial use shall be filed on or before.....October 26, 1988.....

Map in support of proof of beneficial use shall be filed on or before.....October 26, 1988.....

Completion of work filed.....IN TESTIMONY WHEREOF, I, PETER G. MORROS.....

Proof of beneficial use filed.....State Engineer of Nevada, have hereunto set my hand and the seal of

Cultural map filed.....my office, this 16th day of April

Certificate No.....Issued.....

A.B. 19 86  
  
State Engineer

## EXHIBIT "A"

## SECTION IV

## PROPOSED WATER SYSTEM FOR MCGILL

DESIGN CRITERIA

1. Population 1,900 (620 service hook-ups)  
@ 3.2 people per hookup
2. Water Consumption
  - a. Average day 200 gpcd  
380,000 gallons per day  
265 gpm
  - b. Maximum day 2.5 times the average day  
500 gpcd  
950,000 gallons per day  
660 gpm
3. Distribution Storage Distribution storage is equal to the sum of two components:
  - a. Peaking storage 2.5 times the average day's demand = 950,000 gallons
  - b. Fire reserve Flow of 1,460 gpm for a duration of 4 hours  
= 350,400 gallons

The total distribution storage requirement for McGill is approximately 1,300,000 gallons
4. Water Quality Water quality should meet the standards set forth by the U.S. Public Health Service and the State of Nevada, Department of Health

Note: Design Criteria meet the standards set forth by the State of Nevada, Department of Health.



## EXHIBIT "B"

TABLE 8

MASS DIAGRAM ANALYSIS FOR MAXIMUM DAY  
(DEMAND: 950,000 Gallons on Maximum Day)

Hour	Percent of Total Flow	Flow (gallons) during the hour	Cumulative Flow (gallons)
12:00 p.m.	0.62	5,890	5,890
1:00 a.m.	N.S.*	N.S.*	5,890
2:00 a.m.	N.S.	N.S.	5,890
3:00 a.m.	N.S.	N.S.	5,890
4:00 a.m.	N.S.	N.S.	5,890
5:00 a.m.	0.62	5,890	11,780
6:00 a.m.	N.S.	N.S.	11,780
7:00 a.m.	1.86	17,670	29,450
8:00 a.m.	2.42	22,990	52,440
9:00 a.m.	3.57	33,915	86,355
10:00 a.m.	4.05	38,475	124,830
11:00 a.m.	4.65	44,175	169,005
12:00 a.m.	3.72	35,340	204,345
1:00 p.m.	4.65	44,175	248,520
2:00 p.m.	4.34	41,230	289,750
3:00 p.m.	4.65	44,175	333,925
4:00 p.m.	6.20	58,900	392,825
5:00 p.m.	7.75	73,625	466,450
6:00 p.m.	11.80	112,100	578,550
7:00 p.m.	13.65	129,675	708,225
8:00 p.m.	11.80	112,100	820,325
9:00 p.m.	6.82	64,790	885,115
10:00 p.m.	5.11	48,545	933,660
11:00 p.m.	2.42	22,990	950,000**

\*N.S.: Not Significant

\*\*Difference due to rounding of figures

### STORAGE

As previously indicated in the Design Criteria, necessary storage for distribution peaks and fire protection is 1,300,000 gallons. Two storage tanks (650,000 gallons each) are proposed at one location, at an approximate elevation of 6,442 feet.

